

Hive 1.0.0发布

美国时间2015年2月4日，Hive 1.0.0正式发布了。该版本是Apache Hive九年来工作的认可，并且开发者们正在继续开发。Apache Hive 1.0.0版本本来是要命名为Hive 0.14.1的，但是社区感觉是时候以1.x.y结构来命名。

虽然被叫做1.0.0版本，但是其中的改变范围很少，主要有两个改变：1、开始为HiveMetaStoreClient定义公开的API(HIVE-3280)；2、HiveServer 1被移除(HIVE-6977)。API文档正在开始，并且会在HIVE-9363里面继续。

HiveServer 1的移除是Hive向企业版准备的重要一步。HiveServer 2在两年半年前由Cloudera贡献给Hive社区的，并且使得Hive支持JDBC、ODBC和细粒度的权限控制。

对于CLI用户来说，迁移到HiveServer 2将需要使用Beeline。Cloudera和Intel将继续投入巨资在Beeline和HiveServer 2上，来使得这个过渡变得更加简单。

下一个Hive主要版本0.15.0将会命名为1.1.0。我们最想要的Hive-on-Apache Spark将会在Hive 1.1.0中发布，这个版本正在开发中。



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Hive 1.0.0版本主要修改的Bug和提升请参见下面列表：

```
/**
 * User: 过往记忆
 * Date: 15-02-06
 * Time: 上午12:30
 * blog:
 * 本文地址：/archives/1265
 * 过往记忆博客，专注于hadoop、hive、spark、shark、flume的技术博客，大量的干货
 * 过往记忆博客微信公共帐号：iteblog_hadoop
 */
```

Bug

[HIVE-5631] - Index creation on a skew table fails

[HIVE-5664] - Drop cascade database fails when the db has any tables with indexes

- [HIVE-6198] - ORC file and struct column names are case sensitive
- [HIVE-6468] - HS2 & Metastore using SASL out of memory error when curl sends a get request
- [HIVE-7270] - SerDe Properties are not considered by show create table Command
- [HIVE-8099] - IN operator for partition column fails when the partition column type is DATE
- [HIVE-8295] - Add batch retrieve partition objects for metastore direct sql
- [HIVE-8374] - schematool fails on Postgres versions < 9.2
- [HIVE-8485] - HMS on Oracle incompatibility
- [HIVE-8706] - Table statistic collection on counter failed due to table name character case.
- [HIVE-8715] - Hive 14 upgrade scripts can fail for statistics if database was created using auto-create
- [HIVE-8739] - handle Derby and Oracle errors with joins and filters in Direct SQL in a invalid-DB-specific path
- [HIVE-8784] - Querying partition does not work with JDO enabled against PostgreSQL
- [HIVE-8805] - CBO skipped due to SemanticException: Line 0:-1 Both left and right aliases encountered in JOIN 'avg_cs_ext_discount_amt'
- [HIVE-8807] - Obsolete default values in webhcat-default.xml
- [HIVE-8811] - Dynamic partition pruning can result in NPE during query compilation
- [HIVE-8827] - Remove SSLv2Hello from list of disabled protocols
- [HIVE-8830] - hcatalog process don't exit because of non daemon thread
- [HIVE-8845] - Switch to Tez 0.5.2
- [HIVE-8866] - Vectorization on partitioned table throws ArrayIndexOutOfBoundsException when partitions are not of same #of columns
- [HIVE-8870] - errors when selecting a struct field within an array from ORC based tables
- [HIVE-8873] - Switch to calcite 0.9.2
- [HIVE-8876] - incorrect upgrade script for Oracle (13->14)
- [HIVE-8880] - non-synchronized access to split list in OrcInputFormat
- [HIVE-8886] - Some Vectorized String CONCAT expressions result in runtime error
- Vectorization: Unsupported vector output type: StringGroup
 - [HIVE-8888] - Mapjoin with LateralViewJoin generates wrong plan in Tez
 - [HIVE-8947] - HIVE-8876 also affects Postgres < 9.2
 - [HIVE-8966] - Delta files created by hive hcatalog streaming cannot be compacted
 - [HIVE-9003] - Vectorized IF expr broken for the scalar and scalar case
 - [HIVE-9025] - join38.q (without map join) produces incorrect result when testing with multiple reducers
- [HIVE-9038] - Join tests fail on Tez
- [HIVE-9051] - TezJobMonitor in-place updates logs too often to logfile
- [HIVE-9053] - select constant in union all followed by group by gives wrong result
- [HIVE-9067] - OrcFileMergeOperator may create merge file that does not match properties of input files
 - [HIVE-9090] - Rename "Tez File Merge Work" to smaller name
 - [HIVE-9108] - Fix for HIVE-8735 is incorrect (stats with long paths)
 - [HIVE-9111] - Potential NPE in OrcStruct for list and map types
 - [HIVE-9112] - Query may generate different results depending on the number of reducers
 - [HIVE-9114] - union all query in cbo test has undefined ordering

[HIVE-9126] - Backport HIVE-8827 (Remove SSLv2Hello from list of disabled protocols) to 0.14 branch

[HIVE-9141] - HiveOnTez: mix of union all, distinct, group by generates error

[HIVE-9155] - HIVE_LOCKS uses int instead of bigint hive-txn-schema-0.14.0.mssql.sql

[HIVE-9162] - stats19 test is environment-dependant

[HIVE-9166] - Place an upper bound for SARG CNF conversion

[HIVE-9168] - Vectorized Coalesce for strings is broken

[HIVE-9205] - Change default tez install directory to use /tmp instead of /user and create the directory if it does not exist

[HIVE-9234] - HiveServer2 leaks FileSystem objects in FileSystem.CACHE

[HIVE-9249] - java.lang.ClassCastException:
org.apache.hadoop.hive.serde2.io.HiveVarcharWritable cannot be cast to
org.apache.hadoop.hive.common.type.HiveVarchar when joining tables

[HIVE-9278] - Cached expression feature broken in one case

[HIVE-9317] - move Microsoft copyright to NOTICE file

[HIVE-9359] - Export of a large table causes OOM in Metastore and Client

[HIVE-9361] - Intermittent NPE in SessionHiveMetaStoreClient.alterTempTable

[HIVE-9390] - Enhance retry logic wrt DB access in TxnHandler

[HIVE-9401] - Backport: Fastpath for limited fetches from unpartitioned tables

[HIVE-9404] - NPE in
org.apache.hadoop.hive.metastore.txn.TxnHandler.determineDatabaseProduct()

[HIVE-9436] - RetryingMetaStoreClient does not retry JDOExceptions

[HIVE-9473] - sql std auth should disallow built-in udfs that allow any java methods to be called

[HIVE-9514] - schematool is broken in hive 1.0.0

Improvement

[HIVE-3280] - Make HiveMetaStoreClient a public API

[HIVE-8933] - Check release builds for SNAPSHOT dependencies

Task

[HIVE-6977] - Delete Hiveserver1

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